<u>Approved by General Counsel</u>

TR-34.1 Meeting Report

Date: 09/22/2011

Location: Arlington, VA

Approved: 11/28/2011

TITLE:	TR-34.1 Meeting Report
DATE:	September 22, 2011
SOURCE:	Hughes Network Systems, Inc.
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RECOMMENDATION:	Review and Approve

TR 34.1 Working Group
IP OVER SATELLITE (IPoS)
MEETING REPORT
September 22, 2011

1. Call to Order and Introduction

The IPoS Working Group, TR 34.1, met on Thursday, September 22, 2012 at TIA's headquarters, 2500 Wilson Blvd., Arlington, Virginia. The Chair welcomed the participants and called the meeting to order at approximately 9:00 a.m.

This meeting was conducted in accordance with the TIA Legal Guide and TIA Engineering Manual.

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TIA's patent policy can be found in the TIA Engineering Manual (5th edition). Participants in the work of the TIA Formulating Group are urged to review this policy. Participants are encouraged to notify TIA of any patents of which they are aware that are related to the practice of a TIA publication early on in the development of the TIA document to reduce the possibility for delays in the development process and increase the likelihood that the draft TIA publication will be approved for publication. Patent searches are not required to comply with the TIA IPR policy. Moreover, the Engineering Manual describes the need for members' disclosure of patents that are essential to practice TIA publications and for members to provide an indication of their willingness to license any known patents.

2. Attendance Registration

The meeting was attended by the following:

Company	Name & Mailing Address	Phone #, Fax #, Email
Hughes Network Systems	Noerpel, Tony 11717 Exploration Lane Germantown, MD 20876	P: 301-601-7449 F: 301-428-5682 E: anthony.noerpel@hughes.com
Hughes Network Systems (By teleconference)	Border, John	E: john.border@hughes.com
Hughes Network Systems (By teleconference)	Roy, Satyajit	E: Satyajit.roy@hughes.com
iDirect (By teleconference	Erup, Lars	E: lerup@idirect.net
ViaSat, Inc. (By teleconference)	Chitre, Prakash 20511 Seneca Meadows Parkway Germantown, MD 20876	P: 240-686-4420 F: 240-686-4810 E: prakash.chitre@viasat.com
Packet (By teleconference)	Roberts, Lawrence	P:+1 650-906-8746 E: lroberts@packet.cc
AASKI Technology, Inc.	Hand, Jim	O: (732) 578-1250 x209 C: (908) 745-9748 F: (732) 493-1701 E: jhand@aaski.com

Appologies received from

Company	Name & Mailing Address	Phone #, Fax #, Email

3. Review and Approval of the Agenda

The proposed agenda, contribution 09.11.01r1, was approved.

4. Introduction and Numbering of Contributions

Contributions and associated numbers received for this meeting were the following:

Number	Title	Source	Notes/Disposition
09.11.01r1	Meeting_Notice_Agenda	A.Noerpel HNS	Approved
09.11.02r1	341-102810.pdf IPoS Meeting Report	A.Noerpel HNS	Review & approve
09.11.03	TIA 1008B updates.ppt	John Border HNS	Information & review
09.11.04	Draft TIA 1008B	Satyajit Roy HNS	Information & review
09.11.05	JIPM TIA Standard Overview 28Sep2011.pptx	Jim Hand	Information

5. Review and Approval of Previous Meeting Report

The meeting report, contribution 09.11.02r1, was approved.

6. Correspondence and Liaisons

Tony Noerpel (Chair) presented an oral ETSI meeting report identifying mobile satellite and fixed satellite activities. The two groups: ETSI SES MSS and BSM have merged to form Satellite Communications and Navigation (SCN) working group. This group covers radio and transmission aspects related to Fixed, Mobile and Global Navigation Satellite Systems operating in any bands allocated to FSS, MSS or RDSS. The first meeting of the merged group will be SCN #1 in Wessling, Germany on October 4-6.

Lars Erup reported on DVB. Progress had been made on new DVB-RCS standards. This working group is being chaired by Harald Skinnemoen. The several meetings of the technical module DVB-RCS were attended by Tony Noerpel, HNS representing TIA and by Lars Erup, iDirect representing TIA. DVB-RCS-2nd generation lower layers specification has been approved by DVB and is in a one step approval process in ETSI. DVB-RCS-2nd generation higher layers specification is in the process of being approved

Tony Noerpel (Chair) reported on Smart Grid standardization activities.

7. Ballot Results

TIA-1039A has been approved and published by TIA.

8. Working Group Activities
TIA-1039A no activity

GMR

GMR-1 3G has been approved at TR34 level but is waiting for publication at ETSI.

Cross publication of other ETSI MSS standards to be pursued.

IPoS

John Border presented proposal for new version of 1008A to be 1008B. Satyajit Roy will be the Rapporteur.

DVB

Lars Erup reported on a new standard for DVB-RCS-2 or next generation.

9. New Business

Jim Hand proposed a new work item for TIA TR34 for the JIPM modem interworking standard. The new work item is an interoperability specification, consisting of extensions to the current DVB-S2 and DVB-RCS specifications, that are used for the US Department of Defense Joint IP Modem system. The interoperability specification builds upon the requirements detailed in Satellite Network Modem Standard set of requirements published as the TIA/EIA-1073 set of documents. The rapporteur for the project will be Bharat Parikh of AASKI Technology, bparikh@aaski.com, 732-578-1250 x202.

Prakash Chitre recommended we solicit suggestions from members for new work activities for the new year and solicit new members.

10. Assignments from September, 2011 Meeting

- The chair to initiate ballot for GMR-1 3G specifications. postponed
- The Chair and Lars Erup to continue as liaison to DVB-RCS ongoing
- Jim Hand to create a power point presentation describing the new proposed JIPM modem standard.
- Bharat Parikh to be rapporteur for the new JIPM proposed standard
- Satyajit Roy to be rapporteur for the proposed update to IPOS TIA1008A standard

11. Future Work and Assignments

12. Future Meetings

The Working Group agreed to meet on the third Thursday of February 16, 2012 but also agreed to potentially hold a special meeting via teleconference before that date if required or requested by any member. .

13. Adjournment

The meeting was adjourned at 11:00 a.m., September 22, 2011.

This meeting was conducted in accordance with the TIA Legal Guide and TIA Engineering Manual.